Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/21/2018 10:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125669	0	1.02	125757	1.00
Blue	F	SSC	125000	123746	-2	1.54	124637	1.61
Blue	E	FITC	15492	15018	-4	2.93	348	21.92
Blue	D	PE	28736	28121	-3	1.93	621	15.55
Blue	B	PerCP-Cy5-5	41413	41298	-1	4.09	1134	22.88
Blue	A	PE-Cy7	31321	31226	-1	7.18	565	48.10
Red	C	APC	41673	40931	-2	2.65	1580	12.99
Red	A	APC-Cy7	29962	29509	-2	2.73	744	13.90
Violet	B	V450	8318	7937	-5	3.97	440	13.83
Violet	A	V500	34199	33833	-2	3.68	815	11.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20471	3.61	607	-6	N/A	N/A	Pass
Blue	F	SSC	55990	1.03	573	5	N/A	N/A	Pass
Blue	E	FITC	57	74.13	556	-5	0.0156	153	Pass
Blue	D	PE	124	57.86	556	-4	0.1637	399	Pass
Blue	B	PerCP-Cy5-5	210	56.53	663	-4	0.0074	75	Pass
Blue	A	PE-Cy7	109	121.49	720	-2	0.0089	27	Pass
Red	C	APC	361	28.14	599	-2	0.0205	158	Pass
Red	A	APC-Cy7	183	31.63	575	-1	0.0047	1165	Pass
Violet	B	V450	64	71.53	471	-6	0.0608	3469	Pass
Violet	A	V500	115	41.10	490	-4	0.0198	1328	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.30	-31.93	1.14
Blue	20.37	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	17.20	13.60 - 20.40	N/A	N/A	29.16	29.60	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11978

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments